# BRUHAT BANGALORE MAHANAGARA PALIKE

## DASARAHALLI ZONE

**Name of Work: Detailed estimated for Improvements to Main & Cross roads in Chowdappa Layout & Durgaparameshwari Temple area at Medrahalli, in ward no.12, in Shettyhalli Sub-Division**

**Est. Cost Rs.46.00 Lakhs**

| Sl. No | Description of Item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Earth work in surface excavation in ordinary soil for levelling and lowering the ground manually ( other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables ) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and after breaking of clods and neatly dressed as per specifications.KSRB 2-1.2: - do.- Hard soil (P.5,I. No..2.2 PW,P & IWTD - SR 2013-14) | | | | | | | | |
| | | Cum | 1 | 150 | 5.50 | 0.40 | 330.00 | | |
| | | | 1 | 169 | 5.50 | 0.40 | 371.80 | | |
| | | | 1 | 150 | 5.50 | 0.40 | 330.00 | | |
| | | | 1 | 120 | 5.50 | 0.40 | 264.00 | | |
| | | | 1 | 86 | 5.50 | 0.40 | 189.20 | | |
| | | | | | | | 1485.00 | 177.12 | 263023 |
| | Basic Rate | 164.00 | | | | | | | |
| | Add Area Weightage 8% | 13.12 | | | | | | | |
| | Total | 177.12 | | | | | | | |
| 2 | KSRRB M400-6.1 Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications A Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- I Material ( P.167/I.20.41PW,P & IWTD - SR 2013-14) | | | | | | | | |
| | | Cum | 1 | 150 | 5.50 | 0.15 | 123.75 | | |
| | | | 1 | 169 | 5.50 | 0.15 | 139.43 | | |
| | | | 1 | 150 | 5.50 | 0.15 | 123.75 | | |
| | | | 1 | 120 | 5.50 | 0.15 | 99.00 | | |
| | | | 1 | 86 | 5.50 | 0.15 | 70.95 | | |
| | | | | | | | 556.88 | 1060.56 | 590599 |
| | Basic Rate | 982.00 | | | | | | | |
| | Add Area Weightage 8% | 78.56 | | | | | | | |
| | Total | 1060.56 | | | | | | | |
| 3 | KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 ( P.167/I.20.18 PW,P & IWTD - SR 2013-14 | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Cum | 1 | 150 | 5.50 | 0.25 | 206.25 | | |
| | | | 1 | 169 | 5.50 | 0.25 | 232.38 | | |
| | | | 1 | 150 | 5.50 | 0.25 | 206.25 | | |
| | | | 1 | 120 | 5.50 | 0.25 | 165.00 | | |
| | | | 1 | 86 | 5.50 | 0.25 | 118.25 | | |
| | | | | | | | 928.13 | 1121.04 | 1040465 |
| | Basic Rate | 1038.00 | | | | | | | |
| | Add Area Weightage 8% | 83.04 | | | | | | | |
| | Total | 1121.04 | | | | | | | |
| 4 | KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 Page No. 175/ Item No.21.6/ PWD SR 2013-14 | | | | | | | | |
| | | Sqm | 1 | 150 | 5.50 | | 825.00 | | |
| | | | 1 | 169 | 5.50 | | 929.50 | | |
| | | | 1 | 150 | 5.50 | | 825.00 | | |
| | | | 1 | 120 | 5.50 | | 660.00 | | |
| | | | 1 | 86 | 5.50 | | 473.00 | | |
| | | | | | | 2.00 | 3712.50 | | |
| | Basic Rate | 41.00 | | | | | 7425.00 | 44.28 | 328779 |
| | Add Area Weightage 8% | 3.28 | | | | | | | |
| | Total | 44.28 | | | | | | | |
| 5 | Providing and laying bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8<br>complete in all respects as per specifications.25-30mm compacted thickness with 5% bitumen 60/70 grade (Grading II) with 6% Bitumen 60/70 (P.179/I.21.22.2)PW,P & IWTD - SR 2013-14) | | | | | | | | |
| | | Cum | 1 | 150 | 5.50 | 0.04 | 33.00 | | |
| | | | 1 | 169 | 5.50 | 0.04 | 37.18 | | |
| | | | 1 | 150 | 5.50 | 0.04 | 33.00 | | |
| | | | 1 | 120 | 5.50 | 0.04 | 26.40 | | |
| | | | 1 | 86 | 5.50 | 0.04 | 18.92 | | |
| | | | | | | | 148.50 | | |
| | | | | | | | 148.50 | 11452.32 | 1700670 |
| | Basic Rate | 10604.00 | | | | | | | |
| | Add Area Weightage 8% | 848.32 | | | | | | | |
| | Total | 11452.32 | | | | | | | |
| 6 | Carriage of Mixed Material 10kms.For items of Sl.No (1)rs.5.20 PER CUM/KM.Page No.186/PWD SR 2013-14 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 148.50 | 56.16 | 8340 |
| | Basic Rate | 52.00 | | | | | | | |
| | Area Weightage 8% | 4.16 | | | | | | | |
| | | 56.16 | | | | | | | |
| 7 | KSRRB M800-13. Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and lying of hot applied Thermoplastic Compound 2.5mm thick including Reflectrising Glass Beads at 250 gms per Sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. Page No. 197/ Item No. 24.15/ PWD SR 2013- | | | | | | | | |
| | Lane Line | Sqm | 2 | 680.00 | 0.10 | - | 136.00 | | |
| | Centre Line | | | | | - | | | |
| | | | | | | | 136.00 | 471.96 | 64187 |
| | Basic Rate | 437.00 | | | | | | | |
| | Area Weightage 8% | 34.96 | | | | | | | |
| | | 471.96 | | | | | | | |
| 8 | Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead **10 Km** a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. **2.00** Tonne/Km b)Average earth of work **1.28** Tonne/Km for Rs. **2.00**/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. **62.20** (P.150, I.no.18.57/1, PWD SR 2013-14) | | | | | | | | |
| | Qty Vide Item No=1 | Cum | | | | | | | |
| | Qty Limited to | | | | | | 1485.00 | 72.71 | 107974 |
| | Basic Rate (Rs.2.0 x 1.28 x 2 kms) | 5.12 | | | | | | | Rs: 4104037 |
| | Loading and Unloading Charges | 62.20 | | | | | | | |
| | | 67.32 | | | KRIDL Charges + 1% Cess | | | | 45111 |
| | Area Weightage 8% | 5.39 | | | | | | | |
| | Total | 72.71 | | | | | | | 4150.00 |
| 9 | Miscellaneous and other unforseen charges. | | | | | | QC 1% | | 3479 |
| | | | | | | | | Total | 4600000.00 |
| | (Rupees Fortysix Lakhs Only) | | | | | | | | |

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2013-14
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

**Asst. Engineer**
Ward No-12

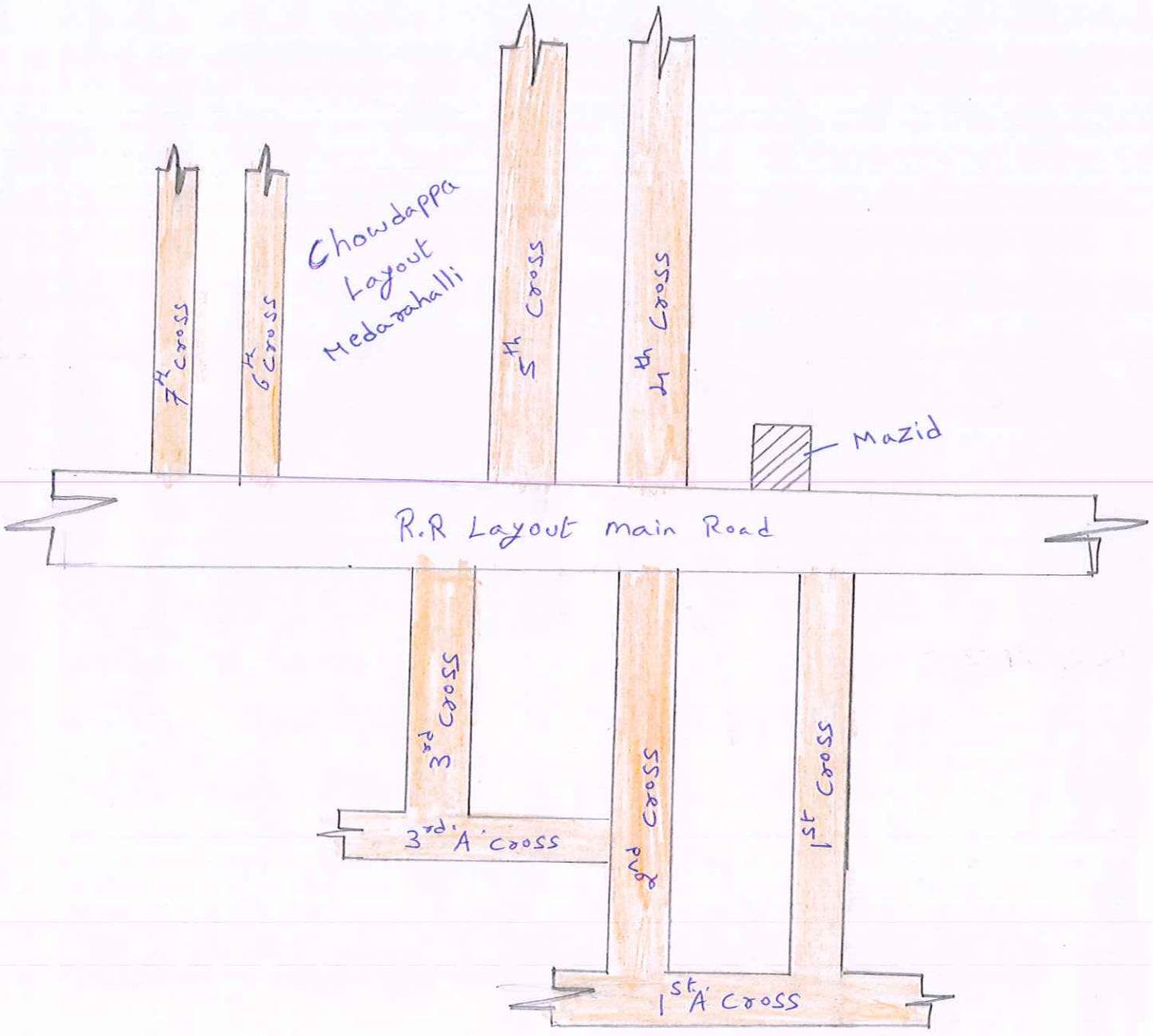
**Asst.Executive Engineer**
Shettyhalli Sub-Division
BBMP

**Executive Engineer**
Dasarahalli Zone
BBMP

A/S
ನಂ. AC(DH) NS/886/13-14 ದಿನಾಂಕ: 04/03/14
ರೂ. 46.00 Lakhs (Rupees Forty-Six Lakhs only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
Page No. 003
SL. No. 886
ಅಪರ ಆಯುಕ್ತರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

56
CE/DZ/TS/~~13-14~~/14/15/
ನಂ. Pg: 702 ದಿನಾಂಕ: 20/5/2014
ರೂ. 46,00000/- (ರೂ: ನಿಲುವತ್ತ ಆರು ಲಕ್ಷಗಳ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬೃ.ಬೆ.ಮ.ಪಾ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Improvements to Main & Cross roads in Chowdappa layout & Durgaparameshwari Temple area, at Medarahalli, in Ward No. 12, in Shettyhalli Sub-Division.




Asst. E.E.

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು